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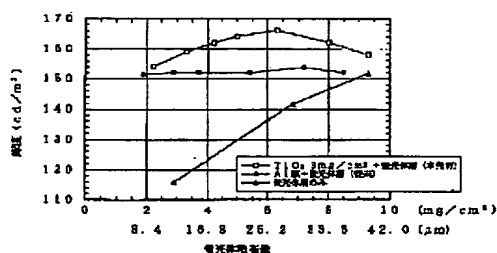
(54) REFLECTION TYPE FLAT TUBE

(57) Abstract:

PROBLEM TO BE SOLVED: To enhance the brightness of a screen of a reflection type flat tube.

SOLUTION: A luminous surface formed in a predetermined region on an inner wall surface of a screen panel is made up by putting, at least, a white inorganic material layer and a phosphor layer one on the other in this order. TiO_2 is typical as the white inorganic material. Brightness of such a luminous surface is not only far superior to a luminous surface made singly of a phosphor layer, but also is increased by about 10% at the maximum compared to an existing luminous surface made of a laminated body of an Al film and a phosphor layer. The white inorganic material layer can be formed by a slurry method readily and at low cost, such without requiring a large scale vacuum deposition device which has been used for an Al film so far.

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1. This document has been translated by computer. So the translation may not reflect the original precisely.
2. **** shows the word which can not be translated.
3. In the drawings, any words are not translated.

CLAIMS

[Claim(s)]

[Claim 1] The aforementioned photogenesis side is the reflected type flat [are the reflected type flat spool made as / observe / through the front panel by which opposite arrangement is carried out with this screen panel / the photogenesis by the electron beam irradiation from the photogenesis side formed in the predetermined field on the internal surface of a screen panel], and / a white mineral-matter layer and a fluorescent substance layer /-at least spool by which it is characterized by having the configuration by which the laminating was carried out to this order.

[Claim 2] The application weight of the white mineral matter in the aforementioned white mineral-matter layer is 2 1.5mg/cm. It is 2 4mg/cm above. Reflected type flat spool according to claim 1 characterized by being the following.

[Claim 3] The reflected type flat spool according to claim 1 characterized by the aforementioned white mineral-matter layer consisting of titanium oxide.

[Claim 4] The application weight of the fluorescent substance in the aforementioned fluorescent substance layer is 2 3mg/cm. It is 2 9mg/cm above. Reflected type flat spool according to claim 2 characterized by being the following.

[Translation done.]